

PERMANENT MAGNET AC SERVO MOTOR SPECIFICATION

Technical drawing of the SZRUI servo motor, showing front and side views with dimensions and a label.

Front View Dimensions:

- Overall width: 100.5 ± 1
- Overall height: $50.0_{-0.025}^0$
- Mounting flange diameter: $\varnothing 0.04$ B
- Mounting flange thickness: 2 ± 0.05
- Motor body diameter: $\varnothing 14.0_{-0.011}^0$
- Motor body length: 20 ± 0.1
- Distance from mounting flange to motor body center: $26.0_{-0.2}^0$
- Distance from motor body center to output shaft center: $3.0_{-0.05}^0$
- Output shaft diameter: 6.4 ± 0.2
- Distance from mounting flange to output shaft center: 30 ± 0.5

Side View Dimensions:

- Overall height: 300 ± 10
- Distance from mounting flange to motor body center: 300 ± 10

Label Information:

AC SERVO MOTOR

MODEL: XXXXX

0.2KW	1.9A	220VAC
0.64Nm	3000RPM	IP54

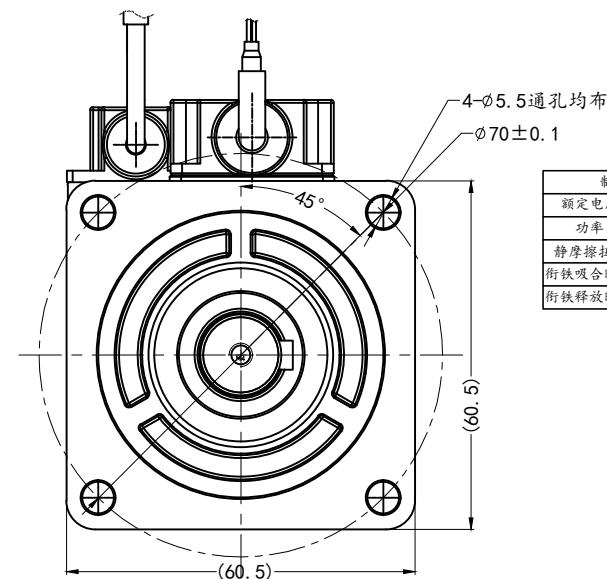
S/N: XXXXX

www.szruiotech.com

CE

Label Dimensions:

- Label width: 0.04 B



使用说明:

Instructions

使用环境温度-20--55° C不结冰

Operating ambient temperature $-20-55^{\circ}\text{C}$ no ice

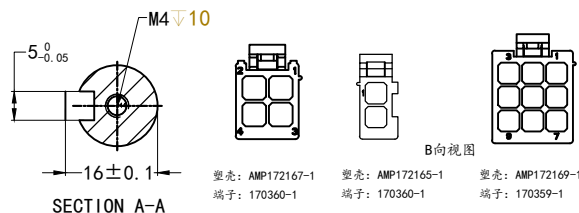
使用环境湿度20%—80%RH不结露

Operating environment humidity 20%—80%rh no condensation

1000m以下使用, 1000m以上请降额使用, 具体参照海拔降额曲线
For use below 1000m, please reduce the rating for use above 1000m.
Refer to the altitude derating curve for details

参数列表

parameters List



额定电压 Rated Voltage (V)	220V	线电阻 Line-Line Resistance (Ω)	5.8±10% (20℃)	编码器接线顺序(其中6、7号为多圈和光电编码器用) magnetic encoder wiring sequence (numbers 6 and 7 are used for multi turn and photoelectric encoders)								电机绕组接线顺序 Motor winding wiring sequence					
额定功率 Rated Power (W)	200	线电感 Line-Line Inductance (mH)	9.6±20% (20℃)	序号 Serial number	1	2	3	4	5	6	7	序号 Serial number	1	2	3	4	
额定电流 Rated Current (A)	1.9	转动惯量 Rotor inertia (×10 ⁻⁴ kg/m ²)	0.25	颜色 Color	屏蔽	红 Red	白 White	黄 Yellow	绿 Green	蓝 Blue	黑 Black	颜色 Color	红 Red	白 White	黑 Black	黄绿 Yellow/Green	
峰值电流 Peak Current (A)	3.8	绝缘等级 Insulation Class	F	定义 Definition	PE	VCC	GND	SD+	SD-	BAT+	BAT-	定义 Definition	U	V	W	PE	
额定转速 Rated Speed (rpm)	3000	绝缘电阻 Insulation resistance	DC1000V ≥ 20MΩ	CTQ SIGN:  Customer  Process  Law 材料符合ROHS要求 All Material Are To Be Rohs Compliant						 深圳锐特机电技术有限公司 Shenzhen Rtelligent Technology Co.,Ltd							
最高转速 Peak Speed (rpm)	4000	防护等级 Protection class	IP65	NAMES	SIGNATURE		DATE		Unspecified tolerance		视角 FIRST ANGLE METHOD	比例 SCALE	单位 UNIT	变更标识 EON SIGN	名称 TITLE		
额定转矩 Rated Torque (N.M)	0.64	允许最大径向负载Maximum allowable radial load(N)	210	设计 DESIGN					常规公差:Torlerances 角度Angles±0.1° 倒角Chamfer±0.3 Unit:mm GB/T1804-M ISO2768-1 ClassM			1:1	mm	*	图号 DWG. NG		
峰值转矩 Peak Torque (N.M)	1.28	允许最大轴向负载Maximum allowable axial load (N)	50	标准化 STANDARD							件号 PART NUMBER	1	版本 REV	A	表单编号 Form Code		
反电势 Voltage Constant (V/Krpm)	22.6	重量 Weight (kg)		审核 CHECK													
力矩系数Torque Coefficient (N.M/A)	0.33																